

DATA SECURITY DEVICE FOR DATA STORAGE MEDIUM

ABSTRACT OF THE DISCLOSURE

A data security device for data storage medium includes a USB mass storage class controller connected to an operation system, such as a personal computer, and a data protection device connecting the USB mass storage class controller to a data storage medium. The data security device may be incorporated in a USB-based data accessing device and can be activated by a user via the operation system. The data protection device includes a write protection unit which provides write protection to the data storage medium when data are to be written by the operation system to the data storage medium, an enciphering unit which enciphers data written into the data storage medium and a deciphering unit which deciphers the enciphered data stored in the data storage medium when the operation system retrieves data from the data storage medium.